MPE			1656		
	IN THE UNITED STATES PATENT AN	TO TRADEMARK OFFICE	PATENT		
JUN 1 0 2000	Case No. 00-713	i16)	#0/2		
in the Appl	ication of: (JUN 1 0 2002		1/14/0		
·	Mirkin et Markin	Examiner: J. Riley	ਜ਼ ਜ਼ਿ		
Serial No.	09/976,601)		Se of the		
Filed:	October 12, 2001	Group Art Unit: 1656	ENTE ENTE ENTE		
For:	Nanoparticles Having Oligonucleotides) Attached Thereto and Uses Therefor)	Confirmation No.: 4367	JUN 1 8 2002 ECH CENTER 1600/2900		
	and Trademark Office nce, P.O. Box 2327 VA 22202		900		
Ŝir:					
	TRANSMITTAL	LETTER			
. In	regard to the above identified application:				
1.	We are transmitting herewith the attached				
	a. Response to Notice to Comply datedb. Copy of the Notice to Comply	l May 21, 2002			
	c. Substitute Sequence Listing (paper of	opy and computer readable form	on 3.5" diskette)		
	d. Return Receipt Postcard		3		
2.	With respect to additional fees:		ڊ ود		
` a	X A. No additional fee is required. B. Attached is a check in the amount	unt of \$			
3.	General Authorization: Please charge any additional fees or credit overpayment to Deposit Account No. 13-2490. A duplicate copy of this sheet is enclosed.				
4.	CERTIFICATE UNDER 37 CFR 1.8: The Letter and the paper, as described in paragraph States Postal Service with sufficient postage Patent and Trademark Office Box Sequence day of	oh 1 hereinabove, are being depos as first class mail in an envelope	addressed to: U.S.		
		Reg No. 35 285			

McDonnell Boehnen Hulbert & Berghoff

300 South Wacker Drive, 32nd Floor

Chicago, IL 60606 Telephone: (312) 913-0001 Fax: (312) 913-0002

Confirmation No: 4367

Nanoparticles Having Oligonucleotides

Attached Thereto and Uses Therefor

U.S. Patent and Trademark Office Box Sequence, P.O. Box 2327 Arlington, VA 22202

October 12, 2001

Sir:

Filed:

For:

This is in response to the Notice to Comply mailed May 21, 2002. Attached is a paper copy of a substitute Sequence Listing and 3.5" diskette containing a computer readable copy of the Sequence Listing in accordance with 37 C.F.R. § 1.821(e). As requested by the Notice, Sections <220> - <223> have been inserted into SEQ ID NO. 57. In accordance with 37 C.F.R. §§ 1.821-1.825, the computer readable copy is identical to the paper copy filed with the disclosure of the application and the attached Sequence Listing. No new matter has been added to the application as a result of this submission.

RESPONSE TO NOTICE TO COMPLY

Prompt consideration and entry of this response is respectfully requested.

Date: 6 4 02 By: Respectfully submit

Reg. No. 35,285

McDonnell Boehnen Hulbert & Berghoff 300 S. Wacker Drive, Suite 3200 Chicago, IL 60606 Telephone: (312) 913-0001 Fax: (312) 913-0002

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/976, 60/
Source:
Date Processed by STIC: 2/14/2002

- FEB 2 7 2002

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,

2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-21

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 763-308-302

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
- Hand Carry directly to:
 U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mail One, 1911 South Clark Street, Arlington, VA 22202

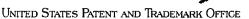
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 Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002







COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE

Washington, D.C. 20231 www.uspto.gov

APPLICATION NUMBER

FILING/RECEIPT DATE

FIRST NAMED APPLICANT

ATTORNEY DOCKET NUMBER

09/976.601

10/12/2001

Chad A. Mirkin

00-713-i16

CONFIRMATION 4367

OC000000008158333

3333* TEH 16000 Date Mailed: 05/20/2002

Emily Miao McDonnell Boehnen Hulbert & Berghoff 32nd Floor 300 S. Wacker Drive Chicago, IL 60606

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant is given **TWO MONTHS FROM THE DATE OF THIS NOTICE** within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of
the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as
indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a
substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content
of the sequence listing information recorded in computer readable form is identical to the written (on paper
or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR
1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

For questions regarding compliance to these requirements, please contact:

- For Rules Interpretation, call (703) 308-4216
- To Purchase Patentin Software, call (703) 306-2600
- For Patentin Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov

A copy of this notice MUST be returned with the reply.

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY





DATE: 02/14/2002 TIME: 15:49:51

PATENT APPLICATION: US/09/976,601

Input Set : A:\00-713-i16seq list.txt

Output Set: N:\CRF3\02142002\1976601.raw Does Not Comply Corrected Diskette Needed

3 <110> APPLICANT: Mirkin, Chad A. Letsinger, Robert L.

5 Mucic, Robert C. Storhoff, James J.

7 Elghanian, Robert

Taton, Thomas A.

10 <120> TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO

AND USES THEREFOR

13 <130> FILE REFERENCE: 00-713-i16

15 <140> CURRENT APPLICATION NUMBER: 09/976,601 16 <141> CURRENT FILING DATE: 2001-10-12

RAW SEQUENCE LISTING

18 <150> PRIOR APPLICATION NUMBER: 09/603,830

19 <151> PRIOR FILING DATE: 2000-06-26

21 <150> PRIOR APPLICATION NUMBER: 09/344,667 22 <151> PRIOR FILING DATE: 1999-06-25

24 <150> PRIOR APPLICATION NUMBER: 09/240,755 25 <151> PRIOR FILING DATE: 1999-01-29

27 <150> PRIOR APPLICATION NUMBER: PCT/US97/12783 28 <151> PRIOR FILING DATE: 1997-07-21

30 <150> PRIOR APPLICATION NUMBER: 60/031,809

31 <151> PRIOR FILING DATE: 1996-07-29

33 <150> PRIOR APPLICATION NUMBER: 60/200,161 34 <151> PRIOR FILING DATE: 2000-04-26

36 <160> NUMBER OF SEQ ID NOS: 64

38 <170> SOFTWARE: Microsoft Word 2000

ERRORED SEQUENCES

763 <210> SEO ID NO: 57

764 <211> LENGTH: 12

765 <212> TYPE: DNA

766 <213> ORGANISM: Anthrax

768 <400> SEQUENCE: 57

E--> 769 taacaatmat cc

'n" used see Hen # 9 on ERROR Summing SHEET.

2/14/02

12







1656

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/976,601

DATE: 02/14/2002 TIME: 15:49:51

Input Set : A:\00-713-i16seq list.txt

Output Set: N:\CRF3\02142002\1976601.raw Does Not Comply

Corrected Diskette Needed

3 <110> APPLICANT: Mirkin, Chad A. Letsinger, Robert L. 5 Mucic, Robert C.

Storhoff, James J. Elghanian, Robert

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38 <170> SOFTWARE: Microsoft Word 2000

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763 <210> SEQ ID NO: 57

764 <211> LENGTH: 12

765 <212> TYPE: DNA

766 <213> ORGANISM: Anthrax

768 <400> SEQUENCE: 57

E--> 769 taacaataat cc

"used see Hen # 9 on ERROR Summary SHEET.

VERIFICATION SUMMARY

DATE: 02/14/2002

PATENT APPLICATION: US/09/976,601

TIME: 15:49:52

Input Set : A:\00-713-i16seq list.txt
Output Set: N:\CRF3\02142002\1976601.raw

L:769 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:57





RECEIVED
FEB 2 7 2002
TECH CENTER 1600/2900

Sequence Listing Error Summary .

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER:	09/976,601			
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE						
	The number/text at the end of each line "wrapped was retrieved in a word processor after creating i prevent "wrapping."					
2Invalid Line Length	The rules require that a line not exceed 72 charac	ters in length. This include	es white spaces.			
3Misaligned Amino Numbering	The numbering under each 5th amino acid is misal use space characters, instead.	iigned. Do not use tab cod	es between numbers;			
4Non-ASCII	The submitted file was not saved in ASCII(DOS) ensure your subsequent submission is saved in	text, as required by the Se	equence Rules. Please			
5Variable Length	Sequence(s) contain n's or Xaa's representing each n or Xaa can only represent a single resid residue having variable length and indicate in the	ue. Please present the max	imum number of each			
6PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <a>sequences(s) . Normally, PatentIn v previously coded nucleic acid sequence. Please m the subsequent amino acid sequence. This applie Artificial or Unknown sequences.	vould automatically general sanually copy the relevant	te this section from the 220>-223> section to			
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please (2) INFORMATION FOR SEQ ID NO:X: (insert (i) SEQUENCE CHARACTERISTICS: (I (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: This sequence is intentionally skipped	SEQ ID NO where "X" is a continuous subheading (insert SEQ ID NO where	shown) gs under this heading) "X" is shown)			
	Please also adjust the "(ii) NUMBER OF SEQUE	NCES:" response to includ	e the skipped sequences.			
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If intentional, please <210> sequence id number <400> sequence id number 000	e insert the following lines	for each skipped sequence.			
9Usc of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Per 1.823 of Sequence Rules, use of <220>-<223> In <220> to <223> section, please explain location	is MANDATORY if n's o				
10Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213: scientific name (Genus/species). <220>-<223> se is Artificial Sequence					
11Use of <220>	Sequence(s) missing the <220> "Featur Use of <220> to <223> is MANDATORY if <213 "Unknown." Please explain source of genetic mat (See "Federal Register," 05/01/1998, Vol. 63, No.	erial in <220> to <223> sec	'Artificial Sequence" or ction.			
"bug"	Please do not use "Copy to Disk" function of Pater resulting in missing mandatory numeric identifiers listing). Instead, please use "File Manager" or any	and responses (as indicate	d on raw sequence			

AMC - Biotechnology Systems Branch - 06/04/2001